

CLAIMS

What Is Claimed Is:

- 1 1. A mobile conveyor system for stacking aggregate comprising:
 - 2 a mobile belt conveyor module mounted for movement with respect to the ground
 - 3 on steerable rolling stock;
 - 4 a mobile tripper module mounted for movement with respect to the ground on
 - 5 steering rolling stock, the tripper module being fed aggregate by the mobile belt conveyor
 - 6 module; and
 - 7 a stacker receiving aggregate from the tripper module and stacking the aggregate to
 - 8 lift level.
- 1 2. The mobile conveyor system of Claim 1, further comprising:
 - 2 a second mobile belt conveyor module mounted for movement with respect to the
 - 3 ground on steerable rolling stock, the second mobile belt conveyor module receiving
 - 4 aggregate from the tripper conveyor module and feeding aggregate to the stacker.
- 1 3. The mobile conveyor system of Claim 1 wherein said mobile belt conveyor module
 - 2 comprises:
 - 3 a span of a certain length;
 - 4 a receiving hopper at one end of the span;
 - 5 a discharge chute at the other end of the span; and
 - 6 crawler tracks supporting the span, the crawler tracks being steerable.
- 1 4. The mobile conveyor system of Claim 3 wherein the crawler tracks are steerable
 - 2 through one hundred and eighty degrees.

5. The mobile conveyor system of Claim 4 wherein the mobile belt conveyor system is about two hundred and fifty feet from receiving hopper to discharge chute.
6. The mobile conveyor system of Claim 3 further comprising a power unit for driving the crawler tracks.
7. The mobile conveyor system of Claim 1 wherein said mobile tripper module comprises:
- a span of a certain length;
 - a receiving hopper at one end of the span;
 - a discharge chute at the other end of the span; and
 - crawler tracks supporting the span, the crawler tracks being steerable.
8. The mobile conveyor system of Claim 7 wherein the crawler tracks are steerable through one hundred and eighty degrees.
9. The mobile conveyor system of Claim 8 wherein the mobile tripper module is about three hundred feet from the receiving hopper to the discharge chute.
10. A mobile conveyor system for stacking aggregate, comprising:
- a mobile tripper module mounted for movement with respect to the ground on steerable rolling stock;
 - a stacker being fed aggregate by the mobile tripper module; and
 - a bridge stacker mounted for movement with respect to the ground, the bridge stacker being fed aggregate by the mobile tripper module.
11. The mobile conveyor system of Claim 10, further comprising:

1 12. The mobile conveyor system of Claim 10 wherein the mobile tripper module
2 comprises:

1 13. The mobile conveyor system of Claim 12 wherein the crawler tracks are steerable
2 through one hundred and eighty degrees.

1 15. The mobile conveyor system of Claim 11 wherein said mobile belt conveyor
2 module comprises:

1 16. The mobile conveyor system of Claim 15 wherein the crawler tracks are steerable
2 through one hundred and eighty degrees.

1 17. The mobile conveyor system of Claim 16 wherein the mobile belt conveyor module
2 is about two hundred and fifty feet from receiving hopper to discharge chute.

1 18. The mobile conveyor system of Claim 15 further comprising a power unit for
2 driving the crawler tracks.

1 19. A mobile conveyor system for stacking aggregate comprising:
2 a mobile tripper module mounting for movement with respect to the ground on
3 steerable rolling stock;
4 a bridge stacker aligned with respect to the mobile tripper module to receive
5 aggregate from the tripper module; and
6 a first mobile belt conveyor module mounted for movement with respect to the
7 ground on steerable rolling stock, the first mobile belt conveyor module feeding aggregate
8 to the mobile tripper module.

1 20. The mobile conveyor system of Claim 19 further comprising a plurality of mobile
2 belt conveyor modules mounted for movement with respect to the ground on steerable
3 rolling stock, the plurality of belt conveyor modules aligned to feed aggregate along their
4 length to the next succeeding belt conveyor module and to the first mobile belt conveyor
5 module.

1 21. The mobile conveyor system of Claim 19 further comprising:
2 a second mobile belt conveyor module mounted for movement with respect to the
3 ground on steerable rolling stock, the second mobile belt conveyor module receiving
4 aggregate from the mobile tripper module; and
5 a stacker being fed aggregate by the second mobile belt conveyor module.

10056349 012603

1 22. The mobile conveyor system of Claim 21 further comprising a plurality of mobile
2 belt conveyor modules mounted for movement with respect to the ground on steerable
3 rolling stock, the plurality of belt conveyor modules aligned to feed aggregate along their
4 length to the next succeeding belt conveyor module and to the first mobile belt conveyor
5 module.

1 23. The mobile conveyor system of Claim 21 wherein each one of the mobile belt
2 conveyor modules comprises:
3 a span of a certain length;
4 a receiving hopper at one end of the span;
5 a discharge chute at the other end of the span; and
6 crawler tracks supporting the span, the crawler tracks being steerable.

1 24. The mobile conveyor system of Claim 23 wherein the crawler tracks are
2 steerable through one hundred and eighty degrees.

1 25. The mobile conveyor system of Claim 24 wherein each mobile belt conveyor
2 module is about two hundred and fifty feet from receiving hopper to discharge chute.

1 26. The mobile conveyor system of Claim 25 wherein each mobile belt conveyor
2 further comprises a power unit for driving the crawler tracks.

1 27. The mobile belt conveyor system of Claim 26 wherein said mobile tripper
2 module comprises:
3 a span of a certain length;
4 a receiving hopper at one end of the span;

5 a discharge chute at the other end of the span; and
6 crawler tracks supporting the span, the crawler tracks being steerable.

1 28. The mobile conveyor system of Claim 27 wherein the crawler tracks of the
2 mobile tripper module are steerable through one hundred and eighty degrees.

1 29. The mobile conveyor system of Claim 28 wherein the mobile tripper module is
2 about three hundred feet from receiving hopper to the discharge chute.

1 30. A method for multiple lift stacking of aggregate, the steps of the method
2 comprising:
3 advance stacking a berm for conveyor system travel;
4 advance stacking the extension phase in conjunction with the berm stacking;
5 and
6 advance stacking the retraction phase.

1 31. The method of Claim 30 further comprising:
2 retreat stacking a second lift extension phase creating a corridor;
3 retreat stacking a second lift retraction phase; and
4 stacking the corridor in conjunction with stacking the retraction phase.

1 32. The method of Claim 30 wherein the berm is stacked by a radial stacker.

1 33. The method of Claim 30 wherein the extension phase is stacked by a bridge
2 stacker.

1 34. The method of Claim 31 wherein the second lift retreat stacking phase is
2 stacked by a bridge stacker.

1 35. The method of Claim 31 wherein the second lift corridor is stacked by a radial
2 stacker.

1 36. A method for stacking aggregate, the steps of the method comprising:
2 stacking one half of a site creating a corridor;
3 stacking the other half of the site; and
4 stacking the corridor in conjunction with stacking the other half of the site.

1 37. The method of Claim 36 wherein the one half and other half of a site is stacked
2 by a bridge stacker.

1 38. The method of Claim 36 wherein the corridor is stacked by a radial stacker.

1 39. A method for multiple lift stacking of aggregate, the steps of the method
2 comprising:

3 advance and retreat stacking the extension phase creating a corridor;
4 advance and retreat stacking the retraction phase; and
5 stacking the corridor.

1 40. The method of Claim 39 further comprising stacking a berm in conjunction
2 with the extension phase.

1 41. The method of Claim 39 wherein the corridor is stacked in conjunction with the
2 retraction phase.

20251019 14:59:59

1 42. The method of Claim 39 further comprising repeating the steps of Claim 39 on
2 a second adjacent site.

1 43. The method of Claim 42 further comprising repeating the steps of Claim 39 on
2 a third adjacent site.

1 44. The method of Claim 43 further comprising repeating the steps of Claim 39 as
2 a second lift on top of the adjacent sites.

1 45. The method of Claim 44 further comprising repeating the steps of Claim 39 as
2 a third lift.

1 46. The method of Claim 44 further comprising the step of building an equipment
2 corridor to the top of the second lift.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100